

Session D

Trends in Chlorophyll and Primary Production in a warmer North Atlantic

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Rationale: The trend in the North Atlantic in the past decade has been one of warming. Predictions throughout the 21st century forecast continued rise in temperature of 0.2°C per decade. Warmer sea temperatures have already caused shifts in phytoplankton populations, including change in abundance and distributions. Changing weather patterns are predicted to result in changes in stratification in the water column, changes in upwelling patterns and shelf sea productivity. Presentations on observed and predicted trends and regional conditions and direct impacts of changes in primary productivity linked to climate variability are encouraged.

The outputs of this theme session will be collated and be formatted into a chapter for the ICES position paper on Marine Climate Change.

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